

Appl. No. 09/687,932
Amdt. Dated Jan. 27, 2004
Replay to Office Action of Oct. 2, 2003

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims

Claims 1-22 (canceled)

Claim 23. (presently amended) A method for detecting a target, the method comprising:

providing a substrate including a surface containing a plurality of nucleic acid probes;

hybridizing a target with at least one probe, said target having a binding ligand;

forming a detectable complex by contacting said hybridized target with ~~a first complex including a first receptor for said binding ligand, wherein said receptor is optionally part of a first complex,~~ and a second-complex including a detectable microparticle, a plurality of anti-receptors that bind to second receptors ~~for said first receptor~~ and a plurality of said binding ligand ligands;

removing unbound complexes; and

detecting the microparticle.

24. (presently amended) The method of claim 23 wherein said binding ligand is ligands ~~are~~ biotin, said first receptor is streptavidin and said ~~second receptor~~ anti-receptor is a biotinylated anti-streptavidin antibody.

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25. (presently amended) The method of claim 23 wherein said first receptor for said binding ligand is added as a first complex and wherein said the first complex further comprises a detectable moiety and said detectable moiety is detected.

26. (previously added) The method of claim 25 wherein said detectable microparticle and said detectable moiety are differentially detectable.

27. (presently amended) A method for detecting a target, the method comprising:

providing a substrate including a surface containing a plurality of nucleic acid probes;

hybridizing a target with at least one probe, said target having a first binding ligand; and

contacting said hybridized target with:

a first complex including a receptor for said first binding ligand and optionally a first detectable moiety;

a second complex including a detectable microparticle, ~~a receptor~~ an anti-receptor for said first receptor complex and a second binding ligand; and

a third complex including a receptor for said second binding ligand and optionally a second detectable moiety;

removing unbound complexes; and

detecting the presence of the microparticle.

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28. (previously added) The method of claim 27 wherein said first detectable moiety is detected.

29. (previously added) The method of claim 28 wherein said microparticle and said first detectable moiety are differentially detectable.

30. (previously added) The method of claim 27 wherein said second detectable moiety is detected.

31. (previously added) The method of claim 30 wherein said microparticle and said second detectable moiety are differentially detectable.